



**THE DATASHEET OF**  
**0528851274**





Part Number : [528851274](#)

Product Description : SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, 120 Circuits

Series Number : 52885

Status : Active

Product Category : Board-to-Board Connectors

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## Documents & Resources

### Drawings

[Drawing 528851274\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 528851274\\_stp.zip](#)

### Specifications


[Packaging Specification SPK-52885-001-001.pdf](#)

[Product Specification 527600000-000.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	52885
Description	SlimStack Board-to-Board Connector, 0.635mm Pitch, 0.635 Series, Receptacle, 6.00 to 10.00mm Mated Height, 6.40mm Mated Width, 120 Circuits
Series Name	0.635, Rigid
Application	Board-to-Board, Signal
Comments	Stacking-Type
Component Type	PCB Receptacle
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	822348246205

### Agency

UL	E29179
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### Electrical

Current - Maximum per Contact	0.5A
Voltage - Maximum	100V

### Physical

Circuits (Loaded)	120
Circuits (maximum)	120
Color - Resin	Natural
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	No

Lock to Mating Part	None
Mated Height	10.00mm, 6.00mm, 7.00mm, 8.00mm, 9.00mm
Mated Width	6.40mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1343.848/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	0.635mm
Plating min - Mating	0.254μm
Plating min - Termination	2.032μm
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

### Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	2
Max-Temp	250

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
0.635mm Pitch Vertical SlimStack Plugs	<u>53625</u>



0.635mm Pitch Vertical SlimStack Plugs	<u>53627</u>
0.635mm Pitch Vertical SlimStack Plugs	<u>53647</u>
0.635mm Pitch Vertical SlimStack Plugs	<u>53649</u>
0.635mm Vertical SlimStack Plugs	<u>55091</u>

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This document was generated on Aug 19, 2024

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-  [Molex, LLC Information](#)

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-  Shortage Management
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